

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5913	(250/281,282,283,287,288,292,396R).ccls.	US-PGPUB; USPAT	OR	OFF	2006/03/24 13:38
L2	6033	(250/281,282,283,287,288,290,292,293,396R).ccls.	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:15
L3	1543	L2 and (ion\$2 with trap\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:17
L4	1186	L3 and (collision\$3 or fragment\$5)	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:17
L5	1166	L4 and ((time adj2flight) or TOF)	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:17
L6	70	L5 and (orthogonal\$3 with eject\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:17
L7	819	L4 and ((time adj2 flight) or TOF)	US-PGPUB; USPAT	OR	OFF	2006/03/24 13:41
L8	62	L7 and (orthogonal\$3 with eject\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/24 13:41
L9	25	L8 and ((longitudianl or axial\$3 or elongat\$3) near3 electrode\$2)	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:17
L10	2	"20050092911".pn. or "6906319".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:09
L11	6	"20050121609".pn. or "6872938".pn. or "20050167585".pn. or "6998609".pn. or "6906319".pn. or "6995364".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:12
L12	2	L11and (eject\$5 with trap\$4 with orthogonal\$3 with ((collision or fragmentation) near2 cell))	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:13
L13	0	L11 and (eject\$5 with trap\$4 with orthogonal\$3 with ((collision or fragmentation) near2 cell))	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:14
L14	0	L11 and (eject\$5 with trap\$4 with orthogonal\$3 with (collision or fragmentation))	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:14
L15	1	L12 and (eject\$5 with trap\$4 with orthogonal\$3 with (collision or fragmentation))	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:15
L16	0	L10 and (eject\$5 with trap\$4 with orthogonal\$3 with (collision or fragmentation))	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:15
L17	0	(250/281,282,283,287,288,290,292,293,396R)	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:16
L18	6033	((250/281,282,283,287,288,290,292,293,396R)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:16

## EAST Search History

L19	1543	L18 and (ion\$2 with trap\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:18
L20	1186	L19 and (collision\$3 or fragment\$5)	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:19
L21	1166	L20 and ((time adj2flight) or TOF)	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:19
L22	70	L21 and (orthogonal\$3 with eject\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:22
L23	25	L8 and ((longitudinal or axial\$3 or elongat\$3) near3 electrode\$2)	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:20
L24	0	L23 NOT L9	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:18
L25	14753	(ion\$2 with trap\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/24 14:19
L26	1360	(ion\$2 with trap\$4).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/24 14:19
L27	335	L26 and (collision\$3 or fragment\$5).clm.	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:19
L28	819	L20 and ((time adj2 flight) or TOF)	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:22
L29	62	L28 and (orthogonal\$3 with eject\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:20
L30	25	L29 and ((longitudinal or axial\$3 or elongat\$3) near3 electrode\$2)	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:21
L31	0	L30 not L23	US-PGPUB; USPAT	OR	OFF	2006/03/24 14:21
L32	258	L27 and ((time adj2 flight) or TOF)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/24 14:22
L33	192	L27 and ((time adj2 flight) or TOF).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/24 14:22

## EAST Search History

L34	10	L33 and (orthogonal\$3 with eject\$4).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/24 14:22
-----	----	---	---	----	-----	------------------

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S153	1	"20040222369".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/22 18:05
S154	1	S153 and optimiz\$5	US-PGPUB; USPAT	OR	OFF	2006/03/22 16:42
S155	0	S153 and (optimiz\$5).clm.	US-PGPUB; USPAT	OR	OFF	2006/03/22 16:36
S156	4	"5763878".pn. or "6483109".pn. or "5420425".pn. or "6797950".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/22 18:06
S157	2	S156 and optimiz\$5	US-PGPUB; USPAT	OR	OFF	2006/03/22 16:39
S158	787	((ion adj1 trap) near4 spectrometer) and (TOF or (time adj3 flight))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/22 18:11
S159	11	S158 and (eject\$4 with retain\$4 with fragment\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/22 16:42
S160	1	S159 and optimiz\$5	US-PGPUB; USPAT	OR	OFF	2006/03/22 16:43
S161	49	S158 and (optimiz\$5 with performance)	US-PGPUB; USPAT	OR	OFF	2006/03/22 16:47
S162	9	S161 and (fragment\$7 with (collision adj2 cell))	US-PGPUB; USPAT	OR	OFF	2006/03/22 16:44
S163	1	S158 and ((optimiz\$5 near3 performance) with (mass adj1 spectrum))	US-PGPUB; USPAT	OR	OFF	2006/03/22 17:45
S164	2	"6875980".pn. or "6794642".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/22 17:45
S165	0	S156 and ((kinetic adj2 energy) with (collision adj2 cell) with (low or below) with fragment\$5)	US-PGPUB; USPAT	OR	OFF	2006/03/22 18:09
S166	0	S156 and ((kinetic adj2 energy) with (collision adj2 cell) with (low or below))	US-PGPUB; USPAT	OR	OFF	2006/03/22 18:09

## EAST Search History

S16 7	2	S158 and ((kinetic adj2 energy) with (collision adj2 cell) with (low or below) with fragment\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/22 18:09
S16 8	201	((ion adj1 trap) near4 spectrometer) and (collision adj2 cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/22 18:11
S16 9	2	S168 and ((kinetic adj2 energy) with (collision adj2 cell) with (low or below) with fragment\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/22 18:24
S17 0	1	S168 and ((kinetic adj2 energy) with (collision adj2 cell) with (prevent or avoid or elude) with fragment\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/22 18:13
S17 1	1	"6794642".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/22 18:25
S17 2	0	S171 and ((ion adj1 trap) with (collision adj1 cell))	US-PGPUB; USPAT	OR	OFF	2006/03/22 18:26
S17 3	1	S171 and ((ion adj1 trap))	US-PGPUB; USPAT	OR	OFF	2006/03/22 18:25
S17 4	0	S171 and (collision near3 cell)	US-PGPUB; USPAT	OR	OFF	2006/03/22 18:26
S17 5	1	S171 and (collision\$2)	US-PGPUB; USPAT	OR	OFF	2006/03/22 18:26
S17 6	1	S171 and ((ion adj1 trap) with (collision\$2))	US-PGPUB; USPAT	OR	OFF	2006/03/22 18:27